

## Patent Abstracts of Japan

PUBLICATION NUMBER : 06225484  
PUBLICATION DATE : 12-08-94

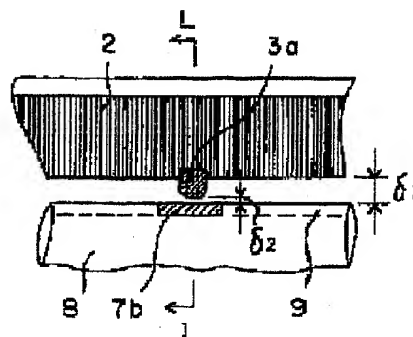
APPLICATION DATE : 25-01-93  
APPLICATION NUMBER : 05027215

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INT.CL. : H02K 1/06 E21B 47/12 H02K 1/27

TITLE : PERMANENT MAGNET TYPE ROTARY  
ELECTRIC MACHINE



ABSTRACT : PURPOSE: To avoid the damages of a stator laminated core and a rotor pole caused by the propagation of a vibration or an impact by a method wherein contact protecting plates made of soft material are attached to the inner circumference of the stator laminated core and the outer circumference of the rotor pole respectively.

CONSTITUTION: A contact protecting plate 3a has an annular shape and is attached to the center of the inner circumference of a stator laminated core 2. A contact protecting plate 7b has a cylindrical shape and is attached to the center of the outer circumference of the rotor pole 9 of a rotor 8. Soft material such as copper which is suitable for bearings is employed as the material of the contact protecting plates 3a and 7b. That is, if the stator laminated core 2 and the rotor pole 9 tend to come into contact with each other by a vibration, an impact, a bending, etc., the contact protecting plates 3a and 7b come into contact with each other first to prevent the stator laminated core 2 and the rotor pole 9 from coming into contact with each other. With this constitution, the damages of the stator laminated core 2 and the rotor pole 9 can be avoided.

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